

High Mobility Multi-purpose Wheeled Vehicle



Or commonly known as...the “HMMWV”

Mission: The HMMWV's mission is to provide a light tactical vehicle for command and control, special purpose shelter carriers, and special purpose weapons platforms throughout all areas of the modern battlefield. The M998 is the baseline vehicle for the M998 series of 1 1/4-ton trucks, which are known as the HMMWV vehicles. All HMMWVS are designed for use over all types of roads, in all weather conditions and are extremely effective in the most difficult terrain. The HMMWV's high power-to-weight ratio, four-wheeled drive and high ground clearance combine to give it outstanding cross-country mobility.



An “up armored HMMWV

Features: The HMMWV can be equipped with a self-recovery winch capable of up to 6000 pound 1:1 ratio line pull capacity and can support payloads from 2,500 - 4,400 pounds depending on the model. The HMMWV is produced in several configurations to support weapons systems;

command and control systems; field ambulances; and ammunition, troop and general cargo transport. They are: M998 Cargo/Troop Carrier; M1038 Cargo/Troop Carrier, with winch; M1043 Armament Carrier; M1044 Armament Carrier, with winch; M1045 TOW Carrier; M1046 TOW Carrier, with winch; M997 Ambulance, basic armor 4-Litter; M1035 Ambulance, 2-Litter; M1037 Shelter Carrier; M1042 Shelter Carrier, with winch; M1097 Heavy HMMWV (payload of 4,400 pounds).

Background: The High Mobility Multi-purpose Wheeled Vehicle (HMMWV) is the replacement vehicle for the M151 series jeeps.



General Characteristics: Length: 15 feet (4.57 meters). Width: 7.08 feet (2.16 meters). Weight: 5,200 pounds (2359 kilograms). Height: 6.00 feet (1.83 meters) reducible to 4.5 feet (1.37 meters). Engine: V8, 6.2 litre displacement, fuel injected diesel, liquid cooled, compression ignition. Horsepower: 150 at 3,600 RPM. Transmission: 3 speed, automatic. Transfer case: 2 speed, locking, chain driven. Electrical system: 24 volt, negative ground, 60 amps. Brakes: Hydraulic, 4-wheeled disc. Fording depth: without preparation: 2.5 feet (76.2 centimeters) with deep water fording kit: 5 feet (1.5 meters) Fuel type: Diesel. Fuel capacity: 25 gallons (94.63 liters). Range: 350 miles (563.15 kilometers) highway.